BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of Work: Improvements to roads and drains in various cross roads of Devinagara, Lottegolahalli and surrounding areas in ward no. 12 - Kodigehalli.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	1503.36	Removing and Resetting of Footpath Slab and pointing in C.M (1:3)	Sqm	235.00	Rupees Two Hundred Thirty Five Only
2	321.00	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.	Cum	204.60	Rupees Two Hundred Four and Sixty Paise Only
3	375.84	Providing B S slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	Sqm	920.70	Rupees Nine Hundred Twenty and Seventy Paise Only
4	15.18	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	7225.68	Rupees Seven Thousand Two Hundred Twenty Five and Sixty Eight Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
5	0.91	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	Tonne	113661.90	Rupees One Hundred Thirteen Thousand Six Hundred Sixty One and Ninety Paise Only
6	52.80	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge.	Sqm	2072.00	Rupees Two Thousand Seventy Two Only
7	63.56	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	6518.60	Rupees Six Thousand Five Hundred Eighteen and Sixty Paise Only
8	430.40	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work	Nos	507.00	Rupees Five Hundred Seven Only
9	430.40	Removing and resetting of kerb stones	Mtr	118.00	Rupees One Hundred Eighteen Only
10	188.30	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	93.50	Rupees Ninety Three and Fifty Paise Only

S.. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
11	346.75	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m	Cum	71.50	Rupees Seventy One and Fifty Paise Only
		including cost of labour, tools, usage of machinery & other appurtenances required to complete the work			
12	208.05	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	2633.40	Rupees Two Thousand Six Hundred Thirty Three and Forty Paise Only
13	1387.00	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.	Sqm	48.40	Rupees Forty Eight and Forty Paise Only
14	1387.00	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom	Sqm	13.20	Rupees Thirteen and Twenty Paise Only
15	69.35	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.	Cum	10877.90	Rupees Ten Thousand Eight Hundred Seventy Seven and Ninety Paise Only
16	204.04	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	12684.10	Rupees Twelve Thousand Six Hundred Eighty Four and Ten Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
17	78.30	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes	Sqm	525.80	Rupees Five Hundred Twenty Five and Eighty Paise Only
18	3.88	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	6327.20	Rupees Six Thousand Three Hundred Twenty Seven and Twenty Paise Only
19	7.64	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)	Cum	7225.68	Rupees Seven Thousand Two Hundred Twenty Five and Sixty Eight Paise Only
20	0.69	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	Tonne	113661.00	Rupees One Hundred Thirteen Thousand Six Hundred Sixty One Only
21	27.60	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge.	Sqm	5037.00	Rupees Five Thousand Thirty Seven Only
22	156.60	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes.	Sqm	528.80	Rupees Five Hundred Twenty Eight and Eighty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
23	892.42	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	t.km	159.90	Rupees One Hundred Fifty Nine and Ninety Paise Only

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Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))